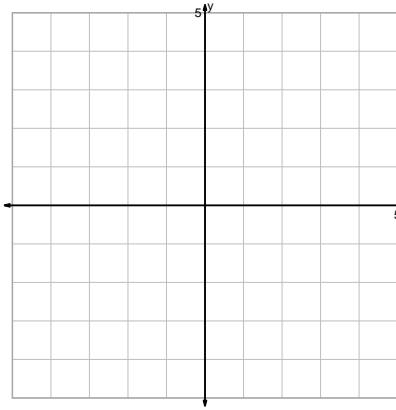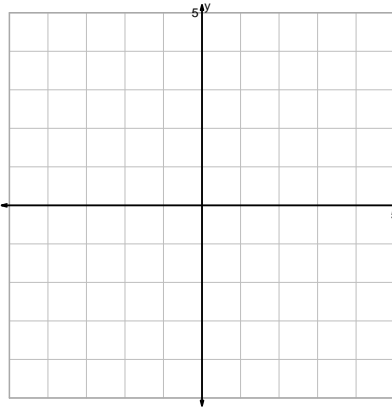# Unit-2 Reduced Mastery Assessment (version 318)

Question 1 (20 points)

Graph the equations accurately. For each integer-integer point on the parent, indicate the corresponding point precisely. Also, with dashed lines, indicate any asymptotes.
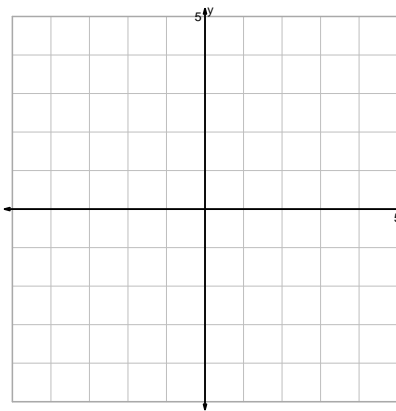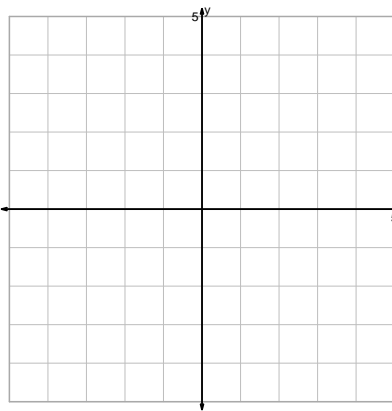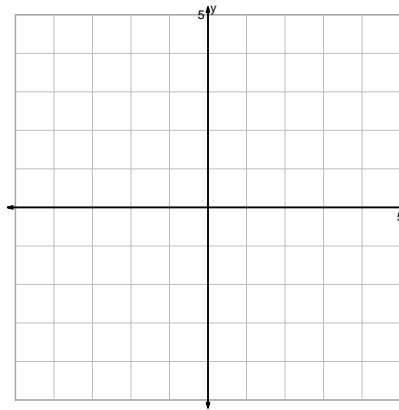
$y = \sqrt[3]{x} + 2$
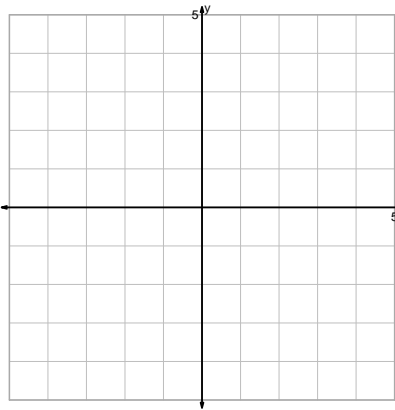
$y = x^3 - 2$

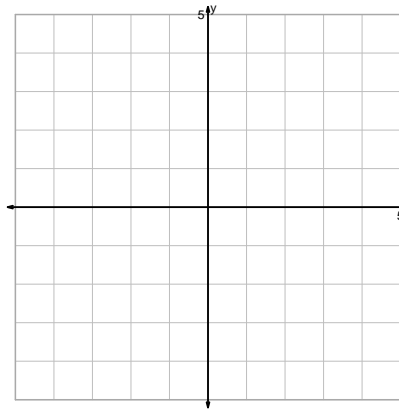$y = -\log_2\left(x\right)$

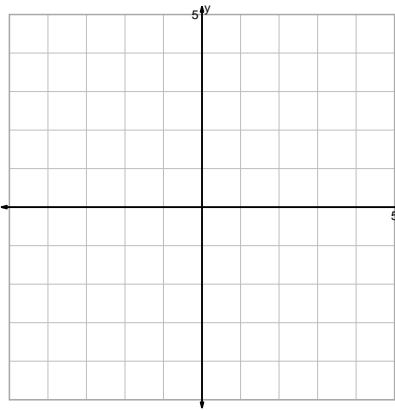$y = \log_2\left(2x\right)$

$$y = \left(\frac{x}{2}\right)^2$$
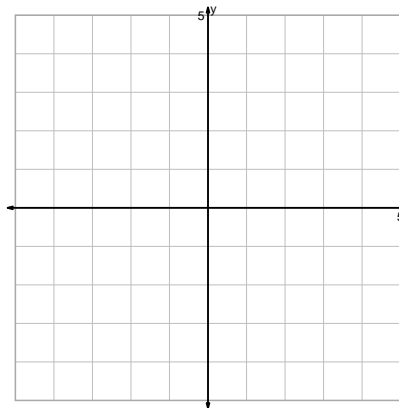
$$y = 2^{-x}$$

$$y = \frac{\sqrt{x}}{2}$$

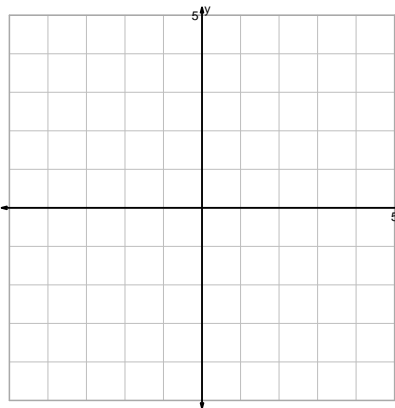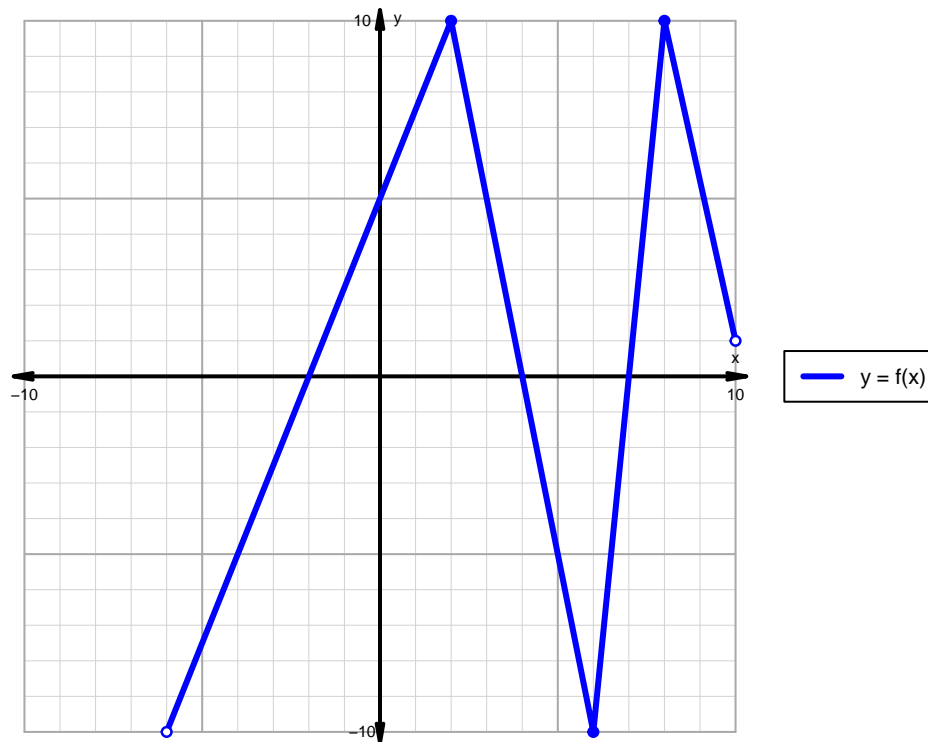$$y = 2 \cdot \sqrt[3]{x}$$

$$y = 2^{x-2}$$

$$y = \left(x + 2\right)^3$$

Question 2 (20 points)

A function is graphed below.

Indicate the following intervals using interval notation.

Feature	Where
Positive	
Negative	
Increasing	
Decreasing	
Domain	
Range	